

Listing of the Claims:

The following Listing of the Claims is to replace all previous listings of the claims.

1. (CURRENTLY AMENDED) An isolated protein comprising an amino acid sequence ~~selected from the group consisting of SEQ ID NOs: 1 to 12~~ of SEQ ID NO: 1 or an amino acid sequence having at least about 95% sequence identity thereto, wherein mutations in the sequences having at least about 95% sequence identity are located in a sequence portion selected from the group consisting of:

a) the N-terminal fragment of 330 amino acids or less, including the catalytic region, and

b) the C-terminal fragment of 413 amino acids or less, including a regulatory domain, and wherein the protein is ~~neuronally active~~ inhibits neurite retraction in a statistically significant manner in an LPA-induced neurite retraction assay.

2. (CURRENTLY AMENDED) The protein according to claim 1, which comprises at least one fragment of ~~said amino acid sequences having one~~ of SEQ ID NO: 1 or said amino acid sequence having at least about 95% sequence identity thereto, said fragment having at least one N-terminal, C-terminal and/or internal deletion.

3-20. (CANCELLED)

21. (PREVIOUSLY PRESENTED) A pharmaceutical composition for the treatment of neuronal injuries or diseases comprising a protein according to claim 1 and if needed suitable auxiliary substances and/or additives.

22-29. (CANCELLED)

30. (WITHDRAWN) A method of diagnosing a disease or disease state using the protein of claim 1 as a diagnostic marker comprising the step of detecting the presence, the absence, or the amount of the protein of claim 1 by RT-PCR and Northern blot immunological methods.

31. (WITHDRAWN) The method of claims 30 wherein said disease is a neuronal disease, a tumor disease or infertility.

32. (WITHDRAWN) A method of diagnosing a disease or disease state using the protein of claim 1 as a diagnostic marker comprising the step of detecting the presence, the absence, or the amount of nucleic acid of claim 3 by in situ immunofluorescence or in situ Northern blots.

33. (WITHDRAWN) The method of claim 32 wherein said disease is neuronal disease, a tumor disease or infertility.